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L15 and find\$ same great\$ same value same query same strings	3

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US Pre-Grant Publication Full-Text Database
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IBM Technical Disclosure Bulletins

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Set Name Query
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DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR

<u>L21</u>	L15 and find\$ same great\$ same value same query same strings	3	<u>L21</u>
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<u>L19</u>	L18 and query	9	<u>L19</u>
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<u>L15</u>	data adj mining or datamining	1170	<u>L15</u>
<u>L14</u>	l11 and L13	7	<u>L14</u>
<u>L13</u>	((707/5)!.CCLS.)	904	<u>L13</u>
<u>L12</u>	L1 and l11	55	<u>L12</u>
<u>L11</u>	L10 and (least same value or lesser same value)	55	<u>L11</u>
<u>L10</u>	L9 and find\$ same great\$ same value	88	<u>L10</u>
<u>L9</u>	((707/3)!.CCLS.)	1972	<u>L9</u>
<u>L8</u>	L7 and values	24	<u>L8</u>
<u>L7</u>	l5 and find\$ near strings	25	<u>L7</u>
<u>L6</u>	((707/\$.ccls.)!.CCLS.)	15500	<u>L6</u>
<u>L5</u>	((382/\$.ccls.)!.CCLS.)	31454	<u>L5</u>
<u>L4</u>	((705/\$.ccls.)!.CCLS.)	14114	<u>L4</u>
<u>L3</u>	((705/5.ccls.)!.CCLS.)	290	<u>L3</u>
<u>L2</u>	((382.229/)!.CCLS.).	0	<u>L2</u>
<u>L1</u>	((707/1 707/2 707/3)!.CCLS.)	3977	<u>L1</u>

END OF SEARCH HISTORY

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L21: Entry 2 of 3

File: USPT

Mar 12, 2002

US-PAT-NO: 6356905

DOCUMENT-IDENTIFIER: US 6356905 B1

TITLE: System, method and article of manufacture for mobile communication utilizing an interface support framework

DATE-ISSUED: March 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gershman; Anatole Vitaly	Chicago	IL		
Swaminathan; Kishore Sundaram	Downers Grove	IL		
Meyers; James L.	Chicago	IL		
Fano; Andrew Ernest	Evanston	IL		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Accenture LLP	Palo Alto	CA			02

APPL-NO: 09/ 263252 [PALM]

DATE FILED: March 5, 1999

INT-CL: [07] G06 F 17/30

US-CL-ISSUED: 707/10; 707/3, 707/5, 707/102, 705/26, 705/35, 709/203, 709/219

US-CL-CURRENT: 707/10; 705/26, 705/35, 707/102, 707/3, 707/5, 709/203, 709/219

FIELD-OF-SEARCH: 707/3, 707/4, 707/10, 707/102, 707/5, 235/462, 235/472, 705/26, 705/35, 709/203, 709/219

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>5279882</u>	January 1994	Daude et al.	428/192
<input type="checkbox"/>	<u>5519608</u>	May 1996	Kupiec	364/419.08
<input type="checkbox"/>	<u>5606602</u>	February 1997	Johnson et al.	379/115
<input type="checkbox"/>	<u>5640193</u>	June 1997	Wellner	348/7
<input type="checkbox"/>	<u>5673322</u>	September 1997	Pepe et al.	389/49
<input type="checkbox"/>	<u>5732074</u>	March 1998	Spaur et al.	370/313
<input type="checkbox"/>	<u>5850442</u>	December 1998	Muftic	380/21
<input type="checkbox"/>	<u>5854624</u>	December 1998	Grant	345/169
<input type="checkbox"/>	<u>5913210</u>	June 1999	Call	707/4
<input type="checkbox"/>	<u>5937163</u>	August 1999	Lee et al.	395/200.48
<input type="checkbox"/>	<u>5938727</u>	August 1999	Ikeda	709/218
<input type="checkbox"/>	<u>5950173</u>	September 1999	Perkowski	705/26
<input type="checkbox"/>	<u>5971277</u>	October 1999	Cragun et al.	235/462.01
<input type="checkbox"/>	<u>5978773</u>	November 1999	Hudetz et al.	705/23
<input type="checkbox"/>	<u>5979757</u>	November 1999	Tracy et al.	235/383
<input type="checkbox"/>	<u>5992752</u>	November 1999	Wilz, Sr. et al.	235/472.01
<input type="checkbox"/>	<u>6134548</u>	October 2000	Gottzman et al.	707/5
<input type="checkbox"/>	<u>6202062</u>	March 2001	Cameron et al.	707/3

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0 853 287	July 1998	EP	
0883313	December 1998	EP	
0890907	January 1999	EP	
WO 97/17815	May 1997	WO	
WO/97/40451	October 1997	WO	
WO 97/45814	December 1997	WO	
WO 98/03923	January 1998	WO	
WO 98/06055	February 1998	WO	
WO 98/10541	March 1998	WO	
WO 98/11744	March 1998	WO	
WO 98/12833	March 1998	WO	
WO 98/24036	June 1998	WO	
WO 98/24050	June 1998	WO	
98/35469	August 1998	WO	
WO 98/39909	September 1998	WO	
WO 98/40823	September 1998	WO	
WO 98/49813	November 1998	WO	
WO 98/52371	November 1998	WO	
98/47295	December 1998	WO	
WO 98/57474	December 1998	WO	
WO 98/58476	December 1998	WO	
WO 99/01969	January 1999	WO	

OTHER PUBLICATIONS

D. Brugali, "Techniques to build and reuse assets", Practical Software Reuse, ESSI-Surprise 1998, pp. 7-1 to 7-11.

D. Brugali et al., "Agent technology: a new frontier for the development of application frameworks?", Object-Oriented Application Frameworks, Wiley 1998, 9 pp.

Falchuk et al., "AgenSys: A Mobile Agent System for Digital Media Access and Interaction on an Internet", Univ. of Ottawa, Dept. of El. and Comp. Eng., 1997, pp. 1876-1880.

U. S. patent application Ser. No. 09/263,969, filed Mar. 5, 1999, "Mobile Communication

and Computing System and Method.

U. S. patent application Ser. No. 09/263,927, filed Mar. 5, 1999, "Mobile Communication System and Method for A Shopper Agent".

U. S. patent application Ser. No. 09/263,926, filed Mar. 5, 1999, "A System, Method and Article of Manufacture for Advanced Mobile Health Care Processing".

U. S. patent application Ser. No. 09/263,920, filed Mar. 5, 1999, "Dynamic Configuration System and Method for A Mobile Communication Network".

U. S. patent application Ser. No. 09/263,251, filed Mar. 5, 1999, "A System for Utilizing A Transaction Interface in A Mobile Communication Network".

U. S. patent application Ser. No. 09/272,828, filed Mar. 19, 1999, "System and Method for Inputting, Retrieving, Organizing and Analyzing Data".

Bob Emmerson; The Mobile Intranet: The next generation of GSM services will offer faster data rates and smarter messaging; May 1998; BYTE Magazine, pp. 1-7.

Timo Alanko, Markku Kojo, Mika Liljeberg, Kimmo Raatikainen; Mobile access to the Internet: a mediator-based solution; Internet Research: Electronic Networking Applications and Policy vol. 9, No. 1, pp. 58-65, 1999.

Andrezej Duda, Stephane Perret; A Network Programming Model for Mobile Applications and Information Access; Proceedings JENC7, pp. 141.1-149.9, DATE 7.

Chu-Sing Yang, Kun-da Wu, Chun-Wei Tseng; Support an Efficient Connection for Mobile IP; Proceedings, Ninth International Workshop on Database and Expert Systems Applications; Aug. 1998, IEEE, Computer Society, pp. 514-519.

Mary Cameron Cupito; Emerging technologies: Has Their time come? Enterprise Integration; Health Management Technology; Dec. 1998, pp. 12-16.

Toh Han Shih; Online life-line; Wired for Business; Singapore Business Times; Dec. 1998, pp. ?.

Chris Bradley; Remote and Mobile Computing With TCP/IP; Enterprise Systems Journal; pp. 38-48.

Enhanced Services: Telecom customers will soon have one-stop, easy-to-use access to their services portfolio from anywhere, at any time, and in any way; EDGE, on & about AT&T; May 1997, pp. 1-2, Authors?.

Nokia, Ericsson, Unwired Planet and Motorola unite to create an open common protocol for interactive wireless applications; Jun. 26, 1997, pp. 1-3.

Unisource in GSM trial of mobile electronic banking and shopping; Mobile Communications; Mar. 20, 1997, pp. 1-3, Authors?.

Dynamic Mobile Data Announces Mobile Server Wireless Solution For Enterprise and internet Access; Mar. 1999, pp. 1-2, Authors?.

Philip R. Cohen, Adam Cheyer, Michelle Wang, Soon Cheol Baeg; An Open Agent Architecture; Software Agent Papers, AAAI Spring Symposium 1994, pp. 1-129.

Katia Sycara, Anandee S. Pannu; The RETSINA Multiagent System: Towards Integrating Planning, Execution and Information Gathering; Proceedings of the Second International Conference on Autonomous Agents, May 1998, pp. 350-351.

ART-UNIT: 2777

PRIMARY-EXAMINER: Homere; Jean R.

ABSTRACT:

A system is disclosed that facilitates web-based information retrieval and display system. A wireless phone or similar hand-held wireless device with Internet Protocol capability is combined with other peripherals to provide a portable portal into the Internet. The wireless device prompts a user to input information of interest to the user. This information is transmitted a query to a service routine (running on a Web server). The service routine then queries the Web to find price, shipping and availability information from various Web suppliers. This information is then available for use by various applications through an interface support framework.

18 Claims, 30 Drawing figures

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 9 of 9 returned.**☐ 1. Document ID: US 20020103834 A1

L19: Entry 1 of 9

File: PGPB

Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020103834

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020103834 A1

TITLE: Method and apparatus for analyzing documents in electronic form

PUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Thompson, James C.	Alexandria	VA	US	
Maynard, Jeff	Woodbridge	VA	US	
Robert, Berne Dudley	Alexandria	VA	US	

US-CL-CURRENT: 707/526[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[KIMC](#) [Draw Desc](#) [Image](#)☐ 2. Document ID: US 20020059202 A1

L19: Entry 2 of 9

File: PGPB

May 16, 2002

PGPUB-DOCUMENT-NUMBER: 20020059202

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020059202 A1

TITLE: Incremental clustering classifier and predictor

PUBLICATION-DATE: May 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hadzikadic, Mirsad	Charlotte	NC	US	
Bohren, Benjamin F.	Logmont	CO	US	
Eichelberger, Christopher N.	Charlotte	NC	US	

US-CL-CURRENT: 707/3; 707/6[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[KIMC](#) [Draw Desc](#) [Image](#)☐ 3. Document ID: US 20020004940 A1

L19: Entry 3 of 9

File: PGPB

Jan 10, 2002

PGPUB-DOCUMENT-NUMBER: 20020004940

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020004940 A1

TITLE: Novel defense induced genes and uses thereof

PUBLICATION-DATE: January 10, 2

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Simmons, Carl R.	Des Moines	IA	US	

US-CL-CURRENT: 800/279; 435/410, 536/23.2, 536/23.6, 702/19, 800/278

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 4. Document ID: US 6421613 B1

L19: Entry 4 of 9

File: USPT

US-PAT-NO: 6421613

DOCUMENT-IDENTIFIER: US 6421613 B1

TITLE: Data processing of the maize prolifera genetic sequence

DATE-ISSUED: July 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nadimpalli; Ramgopal	Bloomfield	NJ		
Simmons; Carl R.	Des Moines	IA		

US-CL-CURRENT: 702/20; 435/6, 702/19, 703/11, 703/6, 707/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 5. Document ID: US 6292830 B1

L19: Entry 5 of 9

File: USPT

US-PAT-NO: 6292830

DOCUMENT-IDENTIFIER: US 6292830 B1

TITLE: System for optimizing interaction among agents acting on multiple levels

DATE-ISSUED: September 18, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Matt	Hilton Head Island	SC		
Taylor; Gail	Hilton Head Island	SC		

US-CL-CURRENT: 709/224

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 6. Document ID: US 6094651 A

L19: Entry 6 of 9

File: USPT

US-PAT-NO: 6094651

DOCUMENT-IDENTIFIER: US 6094651 A

TITLE: Discovery-driven exploration of OLAP data cubes

DATE-ISSUED: July 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Agrawal; Rakesh	San Jose	CA		
Sarawagi; Sunita	San Jose	CA		

US-CL-CURRENT: 707/5; 707/2, 707/200

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 7. Document ID: US 6009432 A

L19: Entry 7 of 9

File: USPT

US-PAT-NO: 6009432

DOCUMENT-IDENTIFIER: US 6009432 A

TITLE: Value-instance-connectivity computer-implemented database

DATE-ISSUED: December 28, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tarin; Stephen A.	New York	NY		

US-CL-CURRENT: 707/10; 707/100, 707/102, 707/2, 707/3, 707/4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 8. Document ID: US 5987468 A

L19: Entry 8 of 9

File: USPT

US-PAT-NO: 5987468

DOCUMENT-IDENTIFIER: US 5987468 A

TITLE: Structure and method for efficient parallel high-dimensional similarity join

DATE-ISSUED: November 16, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Singh; Vineet	San Jose	CA		
Alsabti; Khaled	Gainesville	FL		
Ranka; Sanjay	Gainesville	FL		

US-CL-CURRENT: 707/100; 707/6, 707/7, 712/11

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 9. Document ID: US 5809212 A

L19: Entry 9 of 9

File: USPT

US-PAT-NO: 5809212

DOCUMENT-IDENTIFIER: US 5809212 A

TITLE: Conditional transition networks and computational processes for use interactive computer-based systems

DATE-ISSUED: September 15, 199

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shasha; Dennis	New York	NY		

US-CL-CURRENT: 706/46; 706/45, 706/56

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMIC	Draw Desc	Image
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Terms	Documents
L18 and query	9

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Search Results - Record(s) 1 through 4 of 4 returned.☐ 1. Document ID: US 20020004940 A1

L20: Entry 1 of 4

File: PGPB

Jan 10, 2002

PGPUB-DOCUMENT-NUMBER: 20020004940

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020004940 A1

TITLE: Novel defense induced genes and uses thereof

PUBLICATION-DATE: January 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Simmons, Carl R.	Des Moines	IA	US	

US-CL-CURRENT: 800/279; 435/410, 536/23.2, 536/23.6, 702/19, 800/278

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 2. Document ID: US 6421613 B1

L20: Entry 2 of 4

File: USPT

US-PAT-NO: 6421613

DOCUMENT-IDENTIFIER: US 6421613 B1

TITLE: Data processing of the maize prolifera genetic sequence

DATE-ISSUED: July 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nadimpalli; Ramgopal	Bloomfield	NJ		
Simmons; Carl R.	Des Moines	IA		

US-CL-CURRENT: 702/20; 435/6, 702/19, 703/11, 703/6, 707/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 3. Document ID: US 6292830 B1

L20: Entry 3 of 4

File: USPT

US-PAT-NO: 6292830

DOCUMENT-IDENTIFIER: US 6292830 B1

TITLE: System for optimizing interaction among agents acting on multiple levels

DATE-ISSUED: September 18, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP	DE	COUNTRY
Taylor; Matt	Hilton Head Island	SC			
Taylor; Gail	Hilton Head Island	SC			

US-CL-CURRENT: 709/224

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWC	Draw Desc	Image
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☐ 4. Document ID: US 5809212 A

L20: Entry 4 of 4

File: USPT

US-PAT-NO: 5809212

DOCUMENT-IDENTIFIER: US 5809212 A

TITLE: Conditional transition networks and computational processes for use interactive computer-based systems

DATE-ISSUED: September 15, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shasha; Dennis	New York	NY		

US-CL-CURRENT: 706/46; 706/45, 706/56

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWC	Draw Desc	Image
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Terms	Documents
L19 and strings	4

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WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 1 of 1 returned.**☐ 1. Document ID: WO 200022493 A2 AU 200018075 A EP 1129393 A2

L16: Entry 1 of 1

File: DWPI

Apr 20, 2000

DERWENT-ACC-NO: 2000-350201

DERWENT-WEEK: 200030

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TITLE: Greatest or least valued strings finding method involves comparing numerical results associated with set of related strings sharing one or more common elements

INVENTOR: BHANDARI, I S; PRATAP, R ; RAMANUJAM, K

PRIORITY-DATA: 1998US-103948P (October 13, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 200022493 A2	April 20, 2000	E	103	G06F000/00
AU 200018075 A	May 1, 2000		000	G06F000/00
EP 1129393 A2	September 5, 2001	E	000	G06F001/00

INT-CL (IPC): G06 F 0/00; G06 F 1/00[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[RIMC](#) [Draw Desc](#) [Clip Img](#) [Image](#)[Generate Collection](#)[Print](#)

Terms	Documents
L15 and find\$ near strings	1

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